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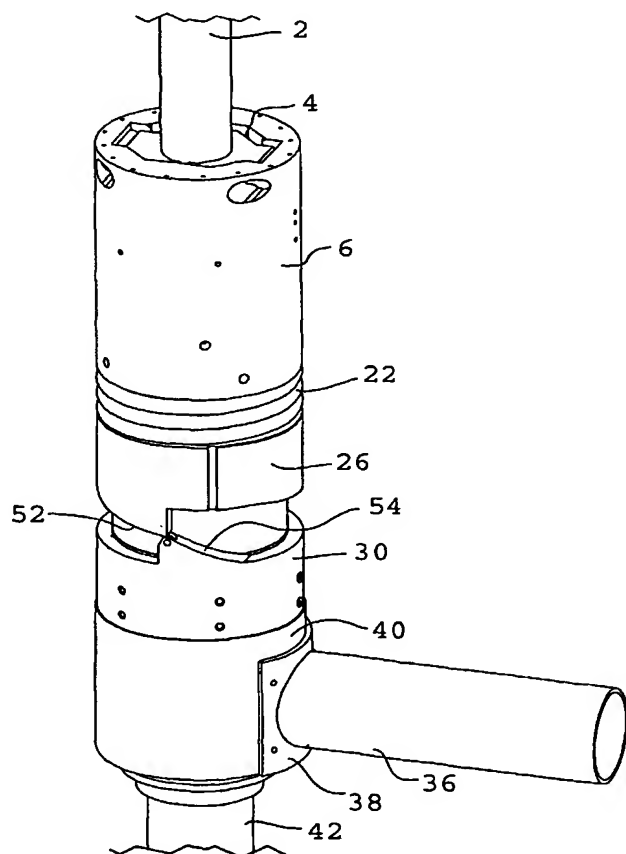
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(54) Title: DEVICE FOR SIMULTANEOUSLY CASING A HOLE WHILE DRILLING



(57) Abstract: A driving device for installing a pipe or casing, without the use of hydraulic or pneumatic means, by capturing the rotational motion of the drill string. The driving device is placed at the top end of the pipe being (42) installed and the drill string (2) passes through the center of the device. The drill string freely rotates, advances or retracts within the driving device, until the driving device is attached (4) to the drill string when required. When the driving device is attached to the drill string, the rotational force of the drill string and any downward force applied to the drill string are captured, and used to install the pipe. The driving device uses the rotation of the drill string to impact a blow to the pipe, driving the pipe downward. The driving device uses any downward force applied to the drill string to maintain downward pressure on the pipe.

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